

# METEOROLOGICAL DEPARTMENT CURAÇAO

## CLIMATOLOGICAL SUMMARY

October 2023

Station: Hato, Airport

Rain			
Rainfall total	:	230.5 ( 69.3)	mm
Rainfall percentage total/long-term average	:	126 ( -32)	%
Rainfall 24 hour's maximum date:	:	93.4 ( 17.6)	mm
Rainfall amount of days >= 1.0 mm	:	13 ( 11)	days
Hours with rainfall	:	54 ( 67)	hours
Hours with rainfall percentage/long-term average	:	17 ( 46)	%
Rainfall cumulative	:	383.4 ( 441.1)	mm
Rainfall percentage cumulative/long-term average	:	0 ( 15)	%
Evaporation			
Evaporation daily average	:	( )	mm
Evaporation monthly total	:	( )	mm
Evaporation maximum/month date:	:	( )	mm
Sunshine			
Sunshine duration monthly average	:		hours:min
Sunshine percentage total/normal	:		%
Sunshine absolute max./month date:	:		hours:min
Sunshine absolute min./month date:	:		hours:min
Solar radiation monthly average	:	4785	Whr/m <sup>2</sup> /day
Solar radiation absolute max./month date:	:	6591	Whr/m <sup>2</sup> /day
Solar radiation absolute min./month date:	:	2018	Whr/m <sup>2</sup> /day
Temperature			
Temperature monthly average	:	29.6 ( 28.2)	°C
Temperature monthly maximum average	:	33.1 ( 31.1)	°C
Temp. abs. max. date/time:	October 19 12:15	:	34.7 ( 32.5) °C
Temperature monthly minimum average	:	26.9 ( 25.6)	°C
Temp. abs. min. date/time:	October 31 2:40	:	23.8 ( 23.1) °C
Relative humidity monthly	:	80.5 ( 77.6)	%
Wind			
Wind speed monthly average	:	7.5 ( 9.2)	kt
Wind speed avg. max	:	19.5 ( 21.6)	kt
Wind speed abs. max. date/time:	October 03 19:53	:	38.0 ( 32.0) kt
Wind vector monthly average	:	98 ( 99)	°
Wind energy potential total *	:	36 ( 56)	Whr/m <sup>2</sup>
Wind energy monthly average *	:	1333 ( 1799)	Whr/m <sup>2</sup> /day
Wind energy potential maximum * date:	:	3277 ( 5746)	Whr/m <sup>2</sup> /day
Wind energy potential minimum * date:	:	78 ( 91)	Whr/m <sup>2</sup> /day
Remarks			

October 2023 has lots of extremes. Almost all data regarding temperatures were extreme, except for the absolute minimum temperature which was above normal. The total rainfall and the 24 hours maximum were also extremes.

\* Wind energy at a height of 10 m for wind speeds of 4 m/s or more.

\*\* Sunshine duration in hrs (solar time)

\*\*\* Solar radiation (local time)

\_\_ Blank field - No data available

( ) Same month previous year data

